

Application No. 10/088,854
 Amendment Dated February 15, 2006
 Reply to Office Action of 11/02/2005

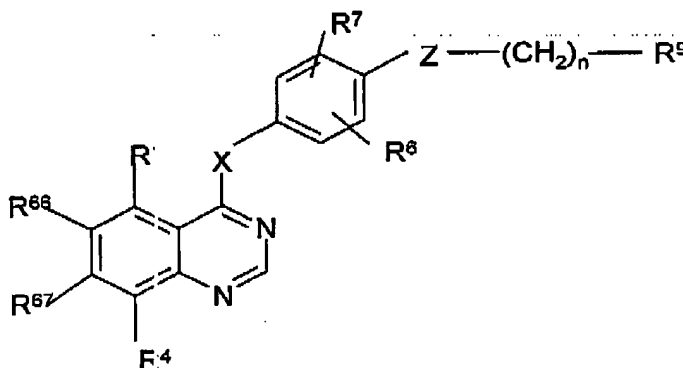
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (Cancelled)

11. (Currently amended) A compound of formula (IIB)



(IIB)

or a salt or prodrug thereof

where

X is O, or S, S(O) or S(O)₂, NH or NR⁸ where R⁸ is hydrogen or C₁₋₆alkyl,

Z is O or S,

n is an integer of from 1 to 6 and R⁹ is hydrogen,

or n is 0 or an integer of from 1 to 6 and R⁹ is ethenyl, optionally substituted phenyl, optionally substituted pyridyl or optionally substituted furanyl where optional substituents for R⁹ groups are C₁₋₃alkoxy, C₁₋₃alkyl, halo or nitro,

R⁶ and R⁷ are independently selected from hydrogen, halo, C₁₋₄alkyl, C₁₋₄alkoxy,

C₁₋₄alkoxymethyl, di(C₁₋₄alkoxy)methyl, C₁₋₄alkanoyl, trifluoromethyl, cyano, amino, C₂₋₅alkenyl,

C₂₋₅alkynyl, a phenyl group, a benzyl group or a 5-6-membered heterocyclic group with 1-3 heteroatoms, selected independently from O, S and N, which heterocyclic group may be

aromatic or non-aromatic and may be saturated and linked via a ring carbon or nitrogen atom or

unsaturated and linked via a ring carbon atom, and which phenyl, benzyl or heterocyclic group

may bear on one or more ring carbon atoms up to 5 substituents selected from hydroxy,

halogeno, C₁₋₃alkyl, C₁₋₃alkoxy, C₁₋₃alkanoyloxy, trifluoromethyl, cyano, amino, nitro,

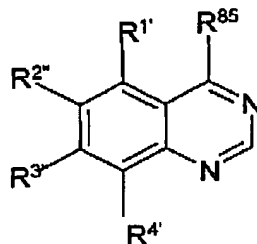
C₂₋₄alkanoyl, C₁₋₄alkanoylamino, C₁₋₄alkoxycarbonyl, C₁₋₄alkylsulphanyl, C₁₋₄alkylsulphinyl,

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C₁₋₄alkylsulphonyl, carbamoyl, N-C₁₋₄alkylcarbamoyl, N,N-di(C₁₋₄alkyl)carbamoyl, aminosulphonyl, N-C₁₋₄alkylaminosulphonyl, N,N-di(C₁₋₄alkyl)aminosulphonyl, C₁₋₄alkylsulphonylamino, and a saturated heterocyclic group selected from morpholino, thiomorpholino, pyrrolidiny, piperaziny, piperidiny, imidazolidiny and pyrazolidiny, which saturated heterocyclic group may bear 1 or 2 substituents selected from oxo, hydroxy, halogeno, C₁₋₃alkyl, C₁₋₃alkoxy, C₁₋₃alkanoyloxy, trifluoromethyl, cyano, amino, nitro and C₁₋₄alkoxycarbonyl, R¹ is hydrogen, R⁴ is hydrogen, halo, C₁₋₄alkyl or C₁₋₄alkoxy and n is 0, or an integer of from 1 to 6, R⁶⁶ is halo, cyano, nitro, trifluoromethyl, C₁₋₃alkyl, -NR¹²R¹³ [(I)] wherein R¹² and R¹³, which may be the same or different, each represents hydrogen or C₁₋₃alkyl, or a group -X¹R¹⁴ wherein X¹ represents a direct bond, -O-, -CH₂-, -OC(O)-, -C(O)-, -S-, -SO-, -SO₂-, -NR¹⁵C(O)-, -C(O)NR¹⁶-, -SO₂NR¹⁷-, -NR¹⁸SO₂- or -NR¹⁹- wherein R¹⁵, R¹⁶, R¹⁷, R¹⁸ and R¹⁹ each independently represents hydrogen, C₁₋₃alkyl or C₁₋₃alkoxyC₂₋₃alkyl, and R¹⁴ is hydrogen or C₁₋₅alkyl which may be unsubstituted or which may be substituted with one or more groups selected from hydroxy, oxiranyl, fluoro, chloro, bromo and amino including C₁₋₃alkyl and trifluoromethyl; or -R³⁸R³⁹ and wherein R³⁸ represents a pyridone group, a phenyl group or a 5-6-membered aromatic heterocyclic group linked via carbon or nitrogen with 1-3 heteroatoms selected from O, N and S, which pyridone, phenyl or aromatic heterocyclic group may carry up to 5 substituents selected from hydroxy, nitro, halogeno, amino, C₁₋₄alkyl, C₁₋₄alkoxy, C₁₋₄hydroxyalkyl, C₁₋₄aminoalkyl, C₁₋₄alkylamino, C₁₋₄hydroxyalkoxy, oxo, cyanoC₁₋₄alkyl, cyclopropyl, C₁₋₄alkylsulphonylC₁₋₄alkyl, C₁₋₄alkoxycarbonyl, di(C₁₋₄alkyl)amino, C₁₋₄alkylaminoC₁₋₄alkyl, C₁₋₄alkanoyl, di(C₁₋₄alkyl)aminoC₁₋₄alkyl, C₁₋₄alkylaminoC₁₋₄alkoxy, di(C₁₋₄alkyl)aminoC₁₋₄alkoxy, carboxy, carboxamido, trifluoromethyl, cyano, -C(O)NR³⁸R⁴⁰, -NR⁴¹C(O)R⁴² wherein R³⁸, R⁴⁰, R⁴¹ and R⁴², which may be the same or different, each represents hydrogen, C₁₋₄alkyl, hydroxyC₁₋₄alkyl or C₁₋₃alkoxyC₂₋₃alkyl and a group -(O-)_f(C₁₋₄alkyl)_gringD wherein f is 0 or 1, g is 0 or 1 and ring D is a cyclic group selected from C₃₋₆cycloalkyl, aryl or 5-6-membered saturated or unsaturated heterocyclic group with 1-2 heteroatoms, selected independently from O, S and N, which cyclic group may bear one or more substituents selected from halo and C₁₋₄alkyl; and wherein R⁹ is a C₁₋₆alkylene group optionally substituted by one or more substituents selected from hydroxy, halogeno and amino ; and R⁶⁷ is C₁₋₆alkoxy substituted with a group X¹R³⁸ wherein X¹ and R³⁸ are as defined above or R⁶⁷ is 3-morpholinopropoxy.

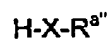
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12. (Previously presented) A method of preparing a compound according to claim 11, which comprises reacting a compound of formula (VII)



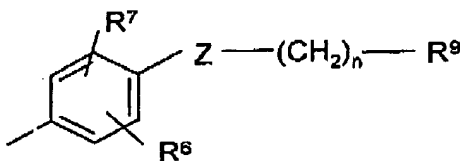
(VII)

where $R^{1'}$, $R^{2''}$, R^3 , and $R^{4'}$ are respectively equivalent to a group R^1 , R^{66} , R^{67} and R^4 as defined in claim 11 or a precursor thereof, and R^{85} is a leaving group, with a compound of formula (VIII)



(VIII)

where X, is as defined in claim 11, and $R^{a''}$ is



where Z, n, R^6 , R^7 and R^9 are as defined in claim 11.

13-14. (Canceled)

15. (Currently amended) A pharmaceutical composition comprising a compound of formula (IIB) as defined in claim 11, or a salt or prodrug thereof, in combination with a pharmaceutically acceptable carrier.

16. (Currently amended) A compound according to claim 11 or a salt or prodrug thereof wherein R^1 and R^4 are both hydrogen.

17. (Previously presented) A compound according to claim 11 wherein R^{67} is 3-morpholinopropoxy.

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18. (Previously presented) A compound according to claim 11 wherein R⁶ and R⁷ are independently selected from hydrogen, halo, C₁₋₄alkoxy, cyano, trifluoromethyl or phenyl.

19. (Previously presented) A compound according to claim 11 wherein R⁶ and R⁷ are both hydrogen.

20. (Cancelled)

21. (Currently amended) A method of treating colorectal or breast cancer in a warm blooded animal comprising administering to said animal an effective amount of a compound according to claim 11 or a salt or ~~or~~ prodrug thereof.